

Product datasheet for **SC300318**

ITIH5 (NM_001001851) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITIH5 (NM_001001851) Human Untagged Clone
Tag:	Tag Free
Symbol:	ITIH5
Synonyms:	ITI-HC5; PP14776
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001001851, the custom clone sequence may differ by one or more nucleotides

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ATGCTCCTGCTGCTGGGGCTGTGCCTGGGGCTGTCCCTGTGTGTGGGGTCGCAGGAAGAG
GCGCAGAGCTGGGGCCACTCTTCGGAGCAGGATGGACTCAGGGTCCCAGGCAAGTCAGA
CTGTTGCAGAGGCTGAAAACCAACCTTTGATGACAGAATTCTCAGTGAAGTCTACCATC
ATTTCCCGTTATGCCTTCACTACGGTTTCCTGCAGAATGCTGAACAGAGCTTCTGAAGAC
CAGGACATTGAGTTCAGATGCAGATTCAGCTGCAGCTTTCATCACCAACTTCACTATG
CTTATTGGAGACAAGGTGTATCAGGGCGAAATTACAGAGAGAGAAAAGAAGAGTGGTGAT
AGGGTAAAAGAGAAAAGGAATAAAACCACAGAAGAAAATGGAGAGAAGGGGACTGAAATA
TTCAGAGCTTCTGCAGTGATTCCAGCAAGGACAAAGCCGCTTTTTCTGAGTTATGAG
GAGCTTCTGCAGAGGCGCTGGGCAAGTACGAGCACAGCATCAGCGTGCGGCCCCAGCAG
CTGTCCGGGAGGCTGAGCGTGGACGTGAATATCCTGGAGAGCGCGGGCATCGCATCCCTG
GAGGTGCTGCCGTTCAACAACAGCAGGCAGAGGGGCGTGGGCGCGGGGAAGATGATTCT
GGGCTCCCCATCTACTGTCATTAACCAAAATGAAACATTTGCCAACATAATTTTTTAA
CCTACTGTAGTACAACAAGCCAGGATTGCCAGAATGGAATTTTGGGAGACTTTATCATT
AGATATGACGTCAATAGAGAACAGAGCATTGGGGACATCCAGGTTCTAAATGGCTATTTT
GTGCACTACTTTGCTCCTAAAGACCTTCCTCCTTACCCAAGAATGTGGTATTCGTGCTT
GACAGCAGTGCTTCTATGGTGGGAACAAACTCCGGCAGACCAAGGATGCCCTTTCACA
ATTCTCCATGACCTCCGACCCAGGACCGTTTCAGTATCATTGGATTTTCCAACCGGATC
AAAGTATGGAAGGACCACTTGATATCAGTCACTCCAGACAGCATCAGGGATGGGAAAGTG
TACATTCACCATATGTCACCCACTGGAGGCACAGACATCAACGGGGCCCTGCAGAGGGCC
ATCAGGCTCCTCAACAAGTACGTGGCCACAGTGGCATTGGAGACCGGAGCGTGTCCCTC
ATCGTCTTCCTGACGGATGGGAAGCCACGGTCGGGGAGACGCACACCCTCAAGATCCTC
AACAAACCCGAGAGGCCGCCGAGGCCAAGTCTGCATCTTACCATTGGCATCGGCAAC
GACGTGGACTTCAAGGCTGCTGGAGAACTGTGCTGGAGAACTGTGGCCTCACACGGCGC
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CCGCTCCTCTGACATCCGCATCGATTATCCCCCAGCTCAGTGGTGCAGGCCACCAAG
ACCCTGTTCCCAACTACTTCAACGGCTCGGAGATCATCATTGCGGGGAAGCTGGTGGAC
AGGAAGCTGGATCACCTGCACGTGGAGGTCACCGCCAGCAACAGTAAGAAATTCATCATC
CTGAAGACAGATGTCCTGTGCGGCCTCAGAAGGCAGGAAAGATGTCACAGGAAGCCCC
AGGCTGGAGGCGATGGAGAGGGGGACCAACCACATCGAGCGTCTCTGGAGCTACCTC
ACCACAAAGGAGCTGCTGAGCTCCTGGCTGCAAAGTGACGATGAACCGGAGAAGGAGCGG
CTGCGGCAGCGGGCCAGGCCCTGGCTGTGAGCTACCGCTTCTCACTCCCTTCACTCC
ATGAAGCTGAGGGGGCCGGTCCCACGCATGGATGGCTGGAGGAGGCCACGGCATGTGC
GCTGCCATGGGACCCGAACCGGTGGTGCAGAGCGTGCGAGGAGCTGGCACGCAGCCAGGA
CCTTTGCTCAAGAAGCCATACCAGCCAAGAATTAATAATCTCTAAAACATCAGTTCGTGGC
TTCAGAAGGGAAGAACAGATTTTTTCAAATGTCATGAAATTTCTTTTCCAGCATCCTG
GAACTATAA

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Restriction Sites: Please inquire

ACCN: NM_001001851

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001001851.1, NP_001001851.1</u>
RefSeq Size:	3105 bp
RefSeq ORF:	2109 bp
Locus ID:	80760
UniProt ID:	<u>Q86UX2</u>
Cytogenetics:	10p14
Gene Summary:	<p>This gene encodes a heavy chain component of one of the inter-alpha-trypsin inhibitor (ITI) family members. ITI proteins are involved in extracellular matrix stabilization and in the prevention of tumor metastasis. They are also structurally related plasma serine protease inhibitors and are composed of a light chain and varying numbers of heavy chains. This family member is thought to function as a tumor suppressor in breast and thyroid cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (3) lacks several 3' exons and has an alternate 3' exon, compared to variant 1. The encoded isoform (3) has an alternate and shorter C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>